

Drafting of the domestic Application

As a below named inventor, I state hereby that I assign the entire right, title, and interest in and to said inventions to the company.

	PM		Patent in charge	President of the intellectual property section
	Approved by no-yeol Park on		Jong-tak Kim Requested for approval by Dae-kyun Lym on	Choong-seok Huh Approved by Choong-seok Huh on

I. Comment

PM	
Patent in charge	Urgent (request date:
President of the intellectual property section	Determination of foreign application after PRC

II. Particulars

Drafter	Jai-young KIM	Creation date		Request date	
Receipt date		Receipt No.	00-P-0183	Patent in charge	Jong-tak Kim

III. Full name of the inventor

Inventor	Jai-young KIM
Personal particulars	김재영: Jai-young KIM: P-15A: 590626-1023231: 102-1304 Samik Apt., 14 Singal-ri, Kiheung-eub Youngin-city, Kyungki-do. Republic of Korea

IV. Personal identity of the inventor

Sector	System & Control	Lab	Nano System Lab
Subject name	Perpendicular magnetic recording mechanism	Subject code	1999065N1
Section	As request	Application	Hard disk drive

Title of the invention in Korean	미세 자구를 적용한 유사 2층막 구조의 수직 자기 기록 디스크
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Abstract in Korean	수직 자기 기록 디스크에서 통상적인 잡음 출력의 감소 방법은 보자력이 최대치인 막두께를 적용하는 것이다. 그러나, 이 방법은 연자성 삽입막을 적층한 유사 2층막 구조의 수직 자기 기록 디스크에서는 Jitter noise에 의한 잡음 출력의 증가로 인하여 충분하지 못하다. 본 발명에서는 초박막 기록 자성층을 유사 2층막 구조의 수직 자기 디스크에 적용하여 미세한 자구를 형성함으로써 잡음 출력을 최소화 하여, 우수한 기록 재생비를 얻었다.
Title of the invention in English	Thin pseudo double layerd perpendicular magnetic recording disks
Abstract in English	The conventional method to reduce a noise level in a perpendicular magnetic recording (PMR) disk is to adapt the recording layer thickness of the largest coercive force. However, this noise level is not sufficient to obtain excellent signal to noise from an intermediate soft magnetic layer. In this invention, further reduction of the noise level can be achieved by the formation of fine magnetic domains in a thin pseudo double layered PMR disk.
Keyword	Perpendicular magnetic recording disks

V. Earlier invention

Item	Section	Particulars
Original study paper ?	No	Time: , Voi/Page: /
Experimental TEST ?	Yes	Time: /
Public disclosure prior to request for application ?	No	Time: , Place: / Reason: /
Public disclosure after request for application ?	Yes	Time: /